S1 Homework 15

1)
```
   7 7 7
+  5 6 7
_____
```

2)
```
   4 5 6
-  2 7 8
_____
```

3)
```
  3 8 7
×     7
_____
```

4)
```
7 | 7 8 4
```

5) How long from:-

a) 7:20 pm to 9:45pm   b) 2:45am to 7:00am

c) 5:50 pm to 10:20pm   d) 8:45am to 10:15pm (careful!)

6) Alan's plane leaves for New York at 2:35pm. He must be at the airport two and a half hours before his flight. He knows it would normally take fifty minutes to drive from his house to the airport, but he decides to leave half an hour early in case he gets held up in traffic. What time does Alan leave his house?

7)
```
1  2  3  4  5  6  7  8  9  10
```

From the list above, write down :-

     a) All the prime numbers.
     b) Two multiples of two
     c) Three multiples of three
     d) All the factors of 24.

8) Without a calculator:-

a) 416×80 b) 78×800

c) $84 \cdot 42 \div 70$ d) $7 \cdot 72 \div 40$

9) Simplify these expressions: -

a) $a + a + a + a$ b) $a + b + a + b + a$ c) $2a + 3a + 4a$ d) $2a + 3b + 4a + b$

UKMT

[JMC 2010 Q2] Each letter in the abbreviation shown is rotated through 90° clockwise. Which of the following could be the result?

A ⊏⊼Ʒⵕ   B ⊃⊼Ʒ⊣   C ⊏⊼Ʒ⊣   D ⊏⢳Ʒ⊣   E ⊏⊼Ʒ⊣